

REPORT  
OF THE  
DEPARTMENT OF HEALTH  
OF THE  
PANAMA CANAL  
FOR THE  
MONTH OF APRIL, 1915

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CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army  
Chief Health Officer, Balboa Heights, Canal Zone

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*Gift of the Panama Canal Museum*

WASHINGTON  
1915



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## LETTER OF TRANSMITTAL.

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THE PANAMA CANAL ZONE,  
DEPARTMENT OF HEALTH,  
*Balboa Heights, May 12, 1915.*

Lieut. Col. CHESTER HARDING,  
*Acting Governor of the Panama Canal,  
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the department of health for the month of April, 1915.

Very respectfully,

P. M. ASHBURN,  
*Acting Chief Health Officer.*

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### GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague have originated on or were brought to the Isthmus during the month.

### VITAL STATISTICS.

#### EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 34,125.

The total number of admissions to hospitals and quarters was 802, a rate of 282.02 per thousand, as compared with 312.82 for the preceding month, and 350.59 for the corresponding month of last year.

The total number of deaths from all causes was 8; of these 5 died from disease, or 1.76 per thousand, as compared with 4.91 for the preceding month, and 5.53 for the corresponding month of last year.

The constantly noneffective rate was 9.85, compared with 10.26 for the preceding month, and 12.07 for the corresponding month of last year.

The total admission rate for malaria, hospitals and quarters, was 28.48, compared with 46.99 for last month, and the total noneffective rate 0.95, compared with 1.11 for last month; each of these rates being lower than for the same month last year. The diseases next to malaria causing the highest admission rates, in the order of their numerical importance were: Diseases of the digestive system, venereal diseases, diseases of the skin and cellular tissue, and of



the respiratory system. These five classes of diseases caused 47 per cent of all admissions to hospitals.

The admission rate for typhoid fever was 0.35, as against none for the previous month, and 2.01 for the corresponding period of last year.

#### EFFECTS OF RACE.

The admission rate to hospitals, and the death rate for disease for black employees were 96.44 and 0.82 per thousand, as compared with 240.84 and 7.37 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 8.57, as compared with 17.49 for white employees.

The admission rate to hospitals and quarters for malaria was 24.62 per thousand for blacks, as compared with 51.61 for whites.

The total death rate for Americans was 5.64, as compared with 38.15 for Europeans. The admission rate to hospitals for disease for the latter was 439.49, compared with 211.52 for Americans. The admission rate for malaria to hospitals and quarters was 171.97 for Europeans, as compared with 33.84 for Americans.

#### DEPORTATIONS.

There were 9 deportations accomplished during the month—5 employees and 4 nonemployees; for disease 8 and for injury 1.

#### CANAL ZONE.

The population of the Canal Zone is 33,652, among whom there was a total of 18 deaths; of these 16 deaths were from disease, giving a rate of 5.71 per thousand, as compared with 8.23 for the preceding month, and 11.10 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 69, compared with 52 last month.

There were 41 births reported, giving a rate of 14.32 per thousand. Of these births 18 were of white and 23 of colored children. There were 10 deaths of children under 1 year of age, 1 white and 9 colored, giving an infant mortality of 55 for white and 391 for colored children, with a general average of 244. The percentage of stillbirths to total births was 9.

#### PANAMA CITY.

The population of the city is 60,373, among whom there was a total of 133 deaths; of these 128 deaths were from disease, giving a rate of 25.44 per thousand, as compared with 33.39 for the preceding month, and 31.80 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 51, compared with 53 last month. The principal causes of death showing an increase as compared with March were: Organic diseases of the heart 6, as compared with 4 last month; and lobar pneumonia 3, as compared with 2 for the month of March.

There were 212 births reported, giving a rate of 42.14 per thousand. The infant mortality was 203 per thousand. The percentage of stillbirths to total births was 3.



## COLON.

The population of the city is 29,331, among whom there were 54 deaths; of these 48 deaths were from disease, giving a rate of 19.64, as compared with 18 for the preceding month, and 21.95 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 52 compared with 32 last month.

The principal causes of death showing an increase as compared with March were: Bright's disease, 9, compared with 5 last month; and malnutrition, 8, as against none for the preceding month.

There were 44 births reported, giving a rate of 17.86 per thousand. The infant mortality was 386 per thousand. The percentage of stillbirths to total births was 8.

## HOSPITAL DIVISION.

## ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 449.27. The per capita cost of patients in hospital proper was \$2.017 gross and \$0.83 net. The per capita cost of patients in the insane asylum was \$0.536.

## BOARD OF HEALTH LABORATORY.

The following work in addition to routine was performed by the board of health laboratory during the month.

A study of the placental blood film, in cases where there is the possibility of estivoautumnal malaria being associated with pregnancy and the puerperium, was completed. A synopsis of the findings follows:

It is believed that the placental blood film made from the maternal surface of the placenta immediately after labor and stained with a polychrome stain does possess important diagnostic value because the placenta from the third month on becomes an even better harbor for the localization of this parasite than the peripheral blood, and will in many cases reveal the presence of parasites when the latter will not. The parasites are far more numerous and larger, and the phagocytosis of pigment is much more in evidence.

In the late stages of pregnancy the placenta corresponds more or less closely to the spleen and bone marrow in some of its intricate vascular peculiarities, and it therefore offers about the same favorable features for the localization and development of parasites as is found in those systems.

This film examination will frequently aid in differentiating puerperal sepsis from malaria in the puerperium. The test seems worthy of a routine practical application in tropical obstetrics, and in other regions where estivoautumnal malaria is found.

Other points of interest which appeared in this study, together with a review of the pathological records, are as follows:

The pregnant state seems to encourage outbreaks of latent malaria, as a rule late in the course of pregnancy, and also predisposes

the individual to the receipt of a primary infection if that individual is exposed frequently in a region where the malarial rate is high. It is also found that malaria does exert a harmful influence on the course of pregnancy, frequently causing miscarriage in the late stages, and sometimes proving fatal to the mother and child.

It is not believed from this study (which included the examination of the blood from the umbilical cord) that congenital malaria ever occurs without some associated accident of pregnancy such as an injury to the placenta.

A splendid illustration of the success which has attended the sanitation of the Canal Zone is present in the results of the study of 400 cases of pregnancy occurring between August 21, 1914, and March 30, 1915:

Race.	Number examined.	Positive identification of malaria.	Percentage of positive cases.
North American, white.....	118	0	0.00
Latin-American, mestizo.....	92	3	3.26
Europeans, white.....	17	1	5.88
West Indians, negroes.....	173	15	8.67
Total.....	400	19	4.75

*Local residence of positive cases.*

Culebra, Canal Zone.....	1	
Mount Hope, Canal Zone.....	1	
		2
Colon, R. de P.....	2	
		2
Calidonia district, city of Panama.....	4	
Guachapali district, city of Panama.....	3	
San Miguel district, city of Panama.....	2	
Maranon district, city of Panama.....	1	
Chorrillo district, city of Panama.....	1	
Districts not specified, city of Panama.....	4	
		15
Total.....		19

The *nonimmune white women*, by availing themselves of the opportunities offered by sanitation and professional care throughout their course of pregnancy, have in this series escaped the influence of malaria, while the *relatively immune black race*, who are indifferent to their pregnant state and live in limited circumstances, where the malarial rate is apt to be high, are the individuals who comprise most of the positive cases.

Although malaria is very frequently an evil influence in pregnancy, it can not altogether (according to these observations) be held responsible for the increased rate of menstrual disorders encountered in the Tropics, such as decreased fertility, abortions, miscarriages, etc.

## FARM FOR DISABLED.

The net per capita cost was \$0.359, as compared with \$0.561 for last month.

During the month work was continued grading the grounds and excavating for walks and a road at the asylum.

## INSANE DEPARTMENT.

Eight patients were admitted for mental observation during the month, this being the lowest number entered in any single month in the history of the institution since its removal from Miraflores in 1907.

Three women patients, natives of Dominica and St. Lucia, were deported.

The final transfer of the asylum from Ancon to Corozal was accomplished on the 9th instant, when 112 women were removed to the new site and quartered in buildings which had been made ready for their accommodation about two days previously.

Work by the males has been going on steadily, and considerable progress has been made in grading the grounds and excavating for walks and a road.

## CHRONIC WARD.

There were 27.43 chronic and incurable patients constantly cared for during the month. The cost per patient per day was \$0.261.

Detailed statistics are shown in Table XIII.

## COLON HOSPITAL.

The average number of employees constantly sick was 24.60. The average number of days' treatment per employee was 9.62. The per capita cost of patients was \$2.45 gross and \$1.64 net.

Detailed statistics are shown in Table XIV.

## PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 51, as against 50 for the preceding month. The per capita cost per patient was \$0.87.

Detailed statistics are shown in Table XV.

## SANTO TOMAS HOSPITAL.

During the month a total of 1,400 patients was treated, 63 less than for the preceding month. The daily average of patients in hospital was 462, as compared with 468 for March, and the total number of hospital days was 13,860, as compared with 14,537 for the preceding month. Sixty-three deaths have occurred, with tuberculosis, nephritis, and organic diseases of the heart the chief causes, in the order named.

Detailed statistics are shown in Table XVI.

## DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Toro Point, with an average weekly percentage of 0.33; that having the lowest was Ancon, with a percentage of 0.05.

Detailed statistics are shown in Table IX.

## SANITATION—CANAL ZONE.

The general health and the malarial rate have both been good during the past month. Malarial incidence was lower among employees than in any other month in the history of the Panama Canal, the total admissions for the month being but 0.35 per cent, the weekly average being 0.087 per cent.

There was one sporadic case of typhoid during the month, the source of infection not being traceable.

The anopheles control was better than in any previous month, as shown by the small catch of adults and the very small amount of breeding found. Large hydraulic fills at both ends of the canal have been closely watched and breeding kept down. The wet season is now beginning and some increase of both breeding and malaria would normally follow, though active efforts are being made to prevent both.

The following communicable diseases were reported during the month:

Measles.....	21
Typhoid fever.....	1
Mumps.....	27
Cerebrospinal fever.....	1
Malarial fever.....	120
Tuberculosis.....	2
Infectious diseases of the eyes.....	1
Whooping cough.....	6
Dysentery.....	2

Detailed statistics are shown in Table XVII.

## SANITATION—PANAMA.

## COMMUNICABLE DISEASES.

One case each of typhoid fever and diphtheria were reported during the month, these being the only infectious diseases of importance recorded. The typhoid case originated in Guachapali in the street from which several cases were recently taken. A laboratory assistant and an ambulance driver were examined as possible carriers in connection with this typhoid case, but both were found to be negative.

## MANURE DISPOSAL.

Experiments were successfully conducted with the view to constructing a sanitary manure house whereby manure could be stored for a period of 12 or 14 days, becoming rid of all fly larvæ during this time, and afterwards being available as fertilizer in the

Chinese gardens. A more detailed description will be given of this house as the subject of a future report.

Detailed statistics are shown in Table XVII.

### SANITATION—COLON.

All spleens from the different groups of cattle slaughtered by the supply department were sent to Ancon Laboratory for examination, and found negative, except that the spleens of three steers that had died before the time set for slaughtering showed anthrax. These three steers were burned by the health office scavengers.

The necessary connections to oil tank No. 2 at Mount Hope were made, from which oil will be furnished for this division. This arrangement is much more satisfactory than the small tank previously used.

Four stables were condemned during the month, and the owners given to May 30 to start improvements.

All chicken coops in the public market have been condemned and replaced by the new model sanitary coops.

An area of 28,610 square yards, and approximately  $4\frac{1}{2}$  feet deep, of swamp No. 3 have been filled at Mount Hope by suction dredge.

Fire swept over Colon on April 30, destroying an area of 22 blocks, and affecting about 10,000 people, many of whom were left quite destitute.

There were 3,158 persons examined, of whom 4 received vaccination.

The following communicable diseases were reported during the month:

Measles .....	1	Tuberculosis .....	2
Mumps .....	13	Infectious diseases of the eyes .....	1
Diphtheria .....	3	Whooping cough .....	1
Malarial fever .....	1	Trachoma .....	2

Detailed statistics are shown in Table XVII.

### QUARANTINE SERVICE.

One violation of quarantine occurred—ship arriving at Balboa, April 21, 1915, without bill of health. The master was fined \$25 in the district court.

Vessels generally are carrying out the regulations with regard to breasting off, use of rat guards, etc., to a better degree than formerly. Attention is being called to rat proofing of chicken coops, potato bins, etc., and to general cleanliness on board ships.

The plague situation in South America, west coast, has shown no improvement. Guayaquil reported 310 cases of plague, with 119 deaths, for the period November 1, 1914, to January 31, 1915.

There were 1,770 more departures than arrivals from foreign ports. The immigration from coast towns shows an increase of 1,073 for the month. During the month 133 United States troops arrived for Canal Zone garrisons.

No quarantinable diseases have appeared at the ports during the month.

Detailed statistics are shown in Table XVIII.



TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

## ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hos- pitals.			Deaths.			Noneffective from sickness.	
		Total.	Disease.	E x t e r n a l causes.	Total.	Disease.	E x t e r n a l causes.	Days treated.	Constantly noneffective.
<i>April, 1915.</i>									
White.....	4,883	128	98	30	4	3	1	2,561	85.37
Colored.....	29,242	329	235	94	4	2	2	7,523	250.77
Total.....	34,125	457	333	124	8	5	3	10,084	336.14
<i>March, 1915.</i>									
White.....	4,748	189	163	26	1	.....	1	2,919	94.17
Colored.....	29,470	274	170	104	17	14	3	7,960	256.78
Total.....	34,218	463	333	130	18	14	4	10,879	350.79
<i>April, 1914.</i>									
White.....	7,337	312	240	72	2	2	.....	5,070	169.01
Colored.....	40,411	586	398	188	25	20	5	12,213	407.12
Total.....	47,748	898	638	260	27	22	5	17,283	576.13

PROPORTIONATE NUMBERS.<sup>1</sup>

<i>April, 1915.</i>									
White.....	4,883	314.56	240.84	73.72	9.83	7.37	2.46	.....	17.49
Colored.....	29,242	135.01	96.44	38.57	1.64	.82	.82	.....	8.57
Total.....	34,125	160.70	117.10	43.60	2.81	1.76	1.05	.....	9.85
<i>March, 1915.</i>									
White.....	4,748	477.67	411.96	65.71	2.53	.....	2.53	.....	19.84
Colored.....	29,470	111.57	69.22	42.35	6.92	5.70	1.22	.....	8.72
Total.....	34,218	162.37	116.78	45.59	6.31	4.91	1.40	.....	10.26
<i>April, 1914.</i>									
White.....	7,337	510.29	392.53	117.76	3.27	3.27	.....	.....	23.03
Colored.....	40,411	174.01	118.18	55.83	7.42	5.94	1.48	.....	10.08
Total.....	47,748	225.68	160.34	65.34	6.79	5.53	1.26	.....	12.07

<sup>1</sup> Annual average per 1,000.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

DEATHS OF RESIDENTS OF THE CITIES OF PANAMA, COLON, AND THE CANAL ZONE.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Disease.	Ex- ternal causes.	Total.	Disease.	Ex- ternal causes.
<i>April, 1915.</i>							
Panama.....	60,373	133	128	5	26.43	25.44	0.99
Colon.....	29,331	54	48	6	22.09	19.64	2.45
Canal Zone.....	33,652	18	16	2	6.42	5.71	.71
Total.....	123,356	205	192	13	19.13	17.87	1.26
<i>March, 1915.</i>							
Panama.....	60,373	175	168	7	34.78	33.39	1.39
Colon.....	29,331	47	44	3	19.23	18.00	1.23
Canal Zone.....	33,519	25	23	2	8.95	8.23	.72
Total.....	123,223	247	235	12	24.05	22.88	1.17
<i>April, 1914.</i>							
Panama.....	47,172	129	125	4	32.82	31.80	1.02
Colon.....	20,232	37	37	.....	21.95	21.95	.....
Canal Zone.....	55,147	62	51	11	13.49	11.10	2.39
Total.....	122,551	228	213	15	22.33	20.86	1.47

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	2	3	5	33	32	65	.....	.....	.....	35	35	70
1 to 4 years.....	.....	2	2	14	13	27	.....	.....	.....	14	15	29
5 to 10 years.....	.....	.....	.....	1	3	4	.....	.....	.....	1	3	4
11 to 20 years.....	.....	.....	.....	5	2	7	.....	.....	.....	5	2	7
21 to 30 years.....	1	.....	1	12	11	23	.....	.....	.....	13	11	24
31 to 40 years.....	3	.....	3	12	10	22	.....	.....	.....	15	10	25
41 to 50 years.....	1	.....	1	13	8	21	.....	.....	.....	14	8	22
51 to 60 years.....	3	.....	3	6	4	10	.....	.....	.....	9	4	13
61 to 70 years.....	.....	.....	.....	6	.....	6	.....	.....	.....	6	.....	6
71 to 80 years.....	.....	.....	.....	2	1	3	.....	.....	.....	2	1	3
Not stated.....	1	.....	1	1	.....	1	.....	.....	.....	2	.....	2
Total.....	11	5	16	105	84	189	.....	.....	.....	116	89	205



TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Nonem- ployees.	Total.
Antigua.....		3	3
Barbados.....	1	16	17
Canada.....	1		1
Colombia.....		7	7
Curacao.....		1	1
Demerera.....		2	2
Denmark.....	1		1
Dominica.....		1	1
Grenada.....		3	3
Haiti.....		1	1
Italy.....		2	2
Jamaica.....	2	28	30
Martinique.....		2	2
Nevis.....	1	1	2
Nicaragua.....		1	1
Panama.....		119	119
Peru.....		2	2
Spain.....		3	3
St. Lucia.....		2	2
United States.....	2	1	3
Unknown.....		2	2
Total.....	8	197	205

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS  
CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,255):		
Disease.....	2	5.64
External causes.....		
All causes.....	2	5.64
White women and children from the United States (3,890):		
Disease.....		
External causes.....		
All causes.....		
White employees and their families from the United States (8,145):		
Disease.....	2	2.95
External causes.....		
All causes.....	2	2.95
Total number of Americans on the Canal Zone (12,935):		
Disease.....	2	1.85
External causes.....	1	.93
All causes.....	3	2.78

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
<i>Disease:</i>			
Cancer and other malignant tumors of the peritoneum, intestines, rectum.....	1	.....	1
Carbuncle.....	1	.....	1
Cerebral hemorrhage.....	1	.....	1
Lobar pneumonia.....	.....	1	1
Softening of the brain.....	.....	1	1
<i>External causes:</i>			
Homicide by cutting or piercing instruments.....	.....	1	1
Traumatism by fall.....	1	.....	1
Traumatism by machines.....	.....	1	1
Total.....	4	4	8

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Panama.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Malaria fever, estivoautumnal.....	3	.....	.....	3
Dysentery, unclassified.....	.....	.....	1	1
Purulent infection and septicemia.....	.....	1	.....	1
Tetanus.....	1	.....	.....	1
Pellagra.....	3	.....	.....	3
Tuberculosis of the lungs.....	17	3	.....	20
Tuberculous meningitis.....	1	1	.....	2
Disseminated tuberculosis.....	.....	.....	1	1
Rickets.....	.....	1	.....	1
Syphilis, tertiary.....	.....	1	.....	1
Syphilis, hereditary.....	2	.....	.....	2
Cancer and other malignant tumors of the peritoneum, intestines, rectum.....	.....	.....	1	1
Cancer and other malignant tumors of the female genital organs.....	1	.....	1	2
Alcoholism, acute.....	1	.....	.....	1
Alcoholism, chronic.....	1	1	.....	2
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Cerebral hemorrhage, apoplexy.....	1	1	.....	2
Softening of the brain.....	1	.....	1	2
General paralysis of the insane.....	1	.....	.....	1
Convulsions of infants (under 5 years of age).....	.....	2	.....	2
Tumor of the brain.....	1	.....	.....	1
<i>Diseases of the circulatory system.</i>				
Acute endocarditis.....	2	.....	.....	2
Organic diseases of the heart.....	6	3	.....	9
Angina pectoris.....	2	.....	.....	2
Arteriosclerosis.....	1	.....	.....	1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	2	5	1	8
Chronic bronchitis.....		1		1
Bronchopneumonia.....	10		2	12
Pneumonia (unqualified).....	5			5
Lobar pneumonia.....	3	1		4
Pulmonary congestion, pulmonary apoplexy.....	1			1
Asthma.....	1			1
Pulmonary emphysema.....		1		1
<i>Diseases of the digestive system.</i>				
Acute gastritis.....	2	1		3
Chronic gastritis.....		1		1
Acute indigestion.....	1			1
Diarrhea and enteritis (under 2 years).....	20	1	2	23
Colitis.....	1			1
Ankylostomiasis.....	1			1
Intestinal obstruction.....	1			1
Cirrhosis of the liver.....	1	1		2
Abscess of liver (unqualified).....	1			1
Simple peritonitis (nonpuerperal).....	1	1		2
Other diseases of the digestive system (cancer and tuberculosis excepted).....		1		1
<i>Nonvenereal diseases of the genito-urinary system and annera.</i>				
Acute nephritis.....	3		1	4
Bright's disease (chronic nephritis).....	5	9		14
Uterine hemorrhage (nonpuerperal).....	1			1
Salpingitis and other diseases of the female genital organs.....	1			1
<i>The puerperal state.</i>				
Hyperemesis gravidarum.....	2			2
<i>Diseases of the skin and of the cellular tissue.</i>				
Carbuncle.....			1	1
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....			3	3
Premature birth.....	4	2		6
Congenital debility.....	5			5
Malnutrition.....	7	8	1	16
Other causes peculiar to early infancy (including various consequences of labor).....	1	1		2
<i>Affections produced by external causes.</i>				
Suicide by poisoning.....	1	1		2
Conflagration.....		3		3
Traumatism by firearms.....	1			1
Traumatism by fall.....	1		1	2
Traumatism by machines.....		1		1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>Affections produced by external causes—Contd.</i>				
Homicide by firearms.....	1	.....	1	2
Homicide by cutting or piercing instruments.....	.....	1	.....	1
Other external violence.....	1	.....	.....	1
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill defined.....	3	.....	.....	3
Total.....	133	54	18	205
Stillbirths.....	6	4	4	14
Grand total.....	139	58	22	219

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE HOS-

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....			1					1	1			
Malarial fever:												
Estivoautumnal.....	1	2	21				6	3	1			
Tertian.....	3		6				5		2			
Quartan.....			2									
Clinical.....	3	4	27				5	3	2			
Cachexia.....								1	1			
Hæmoglobinuric fever, malarial.....		1										
Measles.....			7				1		11			
Influenza.....	1		3									
Dysentery:												
Entamoebic.....								1				
Unclassified.....			1									
Leprosy.....									1			
Erysipelas.....		1					1	1				
Dengue.....							1					
Mumps.....		1	20				5		4			
Yaws.....								1				
Purulent infection and sep- ticemia.....												
Pellagra.....									1			1
Tuberculosis of the lungs.....	4		1					2	1			1
Tuberculous meningitis.....			1									
Abdominal tuberculosis.....			2						1			
Tuberculosis of bones and joints.....									1			
Tuberculosis of the lymph glands.....			1						1			
Disseminated tuberculosis.....									3			1
Syphilis, primary.....	2						1					
Syphilis, secondary.....			5				1	1				
Syphilis, tertiary.....			6				2					1
Syphilis, period not stated.....			2					1	2			
Gonorrhea.....		1	6				3		1			
Gonorrheal arthritis.....		1	2				2	1				
Gonorrheal bubo.....			1				1					
Gonorrheal orchitis and epididymitis.....			1				2					
Gonorrheal ophthalmia.....			1						1			
Soft chancre.....			5				1					
Adenitis chancroidal.....			6					1	1			
Cancer and other malig- nant tumors of the stom- ach and liver.....								1				



TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>General diseases—Contd.</i>												
Cancer and other malignant tumors of the female genital organs.....									2			1
Other tumors (tumors of the female genital organs excepted).....			1				1	2				
Acute articular rheumatism.....			2					2				
Chronic rheumatism and gout.....			7									
Anemia secondary, cause not determined.....								2				
Other general diseases.....												
Alcoholism:												
Acute.....												
Chronic.....												
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Simple meningitis.....							1					
Cerebral hemorrhage, apoplexy.....		1			1							
Softening of the brain.....						1						1
Paralysis without specified cause.....								1				
General paralysis of the insane.....												1
Other forms of mental alienation.....		1					2	1	2			
Dementia precox.....							1					
Convulsions (nonpuerperal), 5 years and over.....												
Hysteria.....							2	2				
Neuralgia.....												
Neuritis.....			1				1					
Other diseases of the nervous system.....			1				1					
Neurasthenia.....								1				
Diseases of the eyes and their annexa.....	2		6				4	3	5			
Diseases of the ears.....			1				7	4				





TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the circulatory system.</i>												
Pericarditis.....			1									
Acute endocarditis.....												
Organic diseases of the heart.....								1	1			
Arterio-sclerosis.....								1				
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	1						1	2				
Hemorrhoids.....			1					1	1			
Varicocele.....			1					1				
Diseases of the lymphatic system (lymphangitis, etc.).....												
Lymphadenitis (nonvenereal).....	1	1	2				1	1				
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ.....	1							3				
Diseases of the larynx.....								1				
Acute bronchitis.....	3		2				2	2		2		
Chronic bronchitis.....		1								1		
Pneumonia (unqualified).....			3							1		
Lobar pneumonia.....								2	3			3
Pleurisy.....			6				1					
Empyema.....			1									
Asthma.....	1											
<i>Diseases of the digestive system.</i>												
Diseases of the mouth and annexa.....			1				1					
Stomatitis.....										1		
Diseases of the pharynx.....		1	1				4	2				
Pharyngitis.....												
Follicular tonsilitis.....	2		4				7	6	2			
Ulcer of the stomach.....	1											
Other diseases of the stomach (cancer excepted).....								1				
Acute gastritis.....			1						3			
Acute indigestion.....								1				
Diarrhea and enteritis (under 2 years).....								2				







TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.		Black.	White.		Black.	White.		Black.	White.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Nonvenereal diseases of the genito-urinary system and annexa—Continued.</i>												
Uterine tumor (noncancerous).....								1				
Other diseases of the uterus.....								2	2			
Metritis.....									1			
Salpingitis and other diseases of the female genital organs.....								2	2			
Nonpuerperal diseases of the breast (cancer excepted).....									1			
<i>The puerperal state.</i>												
Normal labor.....								10	2			
Accidents of pregnancy.....								1				
Hyperemesis gravidarum.....									1			1
Abortion.....								1	1			
Other accidents of labor.....								2	1			
<i>Diseases of the skin and of the cellular tissue.</i>												
Furuncle.....			1					1				
Carbuncle.....	2			1								
Acute abscess.....	4		8				2	1	1			
Phlegmon and cellulitis.....	3		1						2			
Ground itch.....			1									
Dhobie's itch.....			1									
Ulcer of the skin.....			2									
Urticaria.....	1											
Ingrowing nail.....							1					
Other diseases of the skin and annexa.....	5						5					
<i>Diseases of the bones and of the organs of locomotion.</i>												
Diseases of the bones (tuberculosis excepted).....	3							1				
Arthritis.....			3									
Synovitis.....							2					
Amputations.....												
Other diseases of the organs of locomotion.....			1					1	1			





TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of early infancy.</i>												
Newborn child.....								16	3			
Premature birth.....			1									1
<i>Old age.</i>												
Senility.....								1				
<i>Affections produced by external causes.</i>												
Venomous bites and stings.....								1				
Conflagration.....												
Burns (conflagration excepted).....			2				1	1				
Traumatism by firearms.....			2				2					
Traumatism by cutting or piercing instruments.....			10				1		1			
Traumatism by fall.....	1		5					1	1			
Traumatism by machines.....			5									
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....			3									
Railroad traumatism.....			3				1		1			
Dynamite traumatism.....												
Traumatism by landslides.....			2									
Effects of heat.....							1					
Heat exhaustion.....												
Fractures (cause not specified).....			1				1					
Sprains.....	4		1				2	1				
Other external violence.....	12	7	41				5		2			
<i>Ill-defined diseases.</i>												
Infections of undetermined origin.....	2							2				
No disease.....							2	8	4			
Feigned disease.....												
Total.....	81	29	285	1	1	1	113	142	98			15

## HOSPITALS OF THE PANAMA CANAL, MONTH OF APRIL, 1915—Con.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
							1	3										17	6				1
														1									
																		1					
																		1					
								1			1							1	1				1
						3							2	2				1	1				
							1	3					10					1	1	1			
1	1	4		1			2					2	1	9		1		3	4				
1												1		9									
	1	11						2					1	14						2			
								2						3				1		1			
														2					2				
																		1					
1							1					1						1	1				
														1				1					
1						1		1				4	7	1				2	1				
												13	41					6	3				
								1				2											
							1											2	1				
																		2	8	5			
15	3	44		1	1	19	21	33			4	96	32	329	1	2	2	132	163	131			19

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A.=American; F.=Foreign; B.=Black.]

Hospitals.	Remaining Apr. 1.			Admitted.			Died.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.
<b>ANCON HOSPITAL.</b>									
Panama Canal employees....	36	17	182	72	26	202	1	1	1
Panama Railroad employees....	3	7	21	9	2	83	.....	.....	.....
Panama pay patients.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Other pay patients.....	89	45	50	190	47	62	.....	.....	11
Charity patients.....	15	1	35	10	5	31	.....	.....	1
Total.....	143	70	288	281	80	379	1	1	13
<i>Insane department.</i>									
Panama Canal employees....	.....	5	10	.....	1	.....	.....	.....	.....
Panama Railroad employees....	.....	.....	2	.....	.....	.....	.....	.....	.....
Panama pay patients.....	.....	14	164	.....	.....	2	.....	.....	2
Other pay patients.....	3	.....	2	1	2	1	.....	.....	.....
Charity patients.....	4	3	53	.....	.....	1	.....	.....	1
Total.....	7	22	231	1	3	4	.....	.....	3
Grand total.....	150	92	519	282	83	383	1	1	16
<i>Corozal farm.</i>									
Panama Canal employees....	.....	9	39	.....	.....	2	.....	.....	.....
<i>Chronic ward.</i>									
Charity patients.....	.....	.....	28	.....	.....	2	.....	.....	.....
<b>COLON HOSPITAL.</b>									
Panama Canal employees....	4	3	13	9	3	25	.....	1	.....
Panama Railroad employees....	1	1	4	6	.....	19	.....	.....	1
Panama pay patients.....	.....	1	.....	.....	7	15	.....	.....	2
Other pay patients.....	2	7	5	20	12	10	.....	.....	2
Charity patients.....	.....	.....	.....	1	.....	8	.....	.....	.....
Total.....	7	12	22	36	22	77	.....	1	5
<b>PALO SECO LEPER ASYLUM.</b>									
Panama pay patients.....	.....	3	29	.....	.....	1	.....	.....	.....
Charity patients.....	.....	2	16	.....	.....	.....	.....	.....	.....
.....	.....	5	45	.....	.....	1	.....	.....	.....
<b>GRAND TOTAL.</b>									
Panama Canal employees....	40	34	244	81	30	229	1	2	1
Panama Railroad employees....	4	8	27	15	2	102	.....	.....	1
Panama pay patients.....	.....	18	193	.....	7	19	.....	.....	4
Other pay patients.....	94	52	57	211	61	73	.....	.....	13
Charity patients.....	19	6	132	11	5	42	.....	.....	2
Total.....	157	118	653	318	105	465	1	2	21

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

Hospitals.	Dis- charged.			Trans- ferred.			Remain- ing Apr. 30.			Average number stantly sick.			con-
										White.			To- tal.
	A.	F.	B.	A.	F.	B.	A.	F.	B.	A.	F.	B.	
ANCON HOSPITAL.													
Panama Canal employ- ees.....	80	28	209	...	1	1	27	13	173	30.30	11.86	167.07	209.23
Panama Railroad em- ployees.....	9	8	44	.....	.....	.....	3	1	60	4.03	4.20	37.34	45.57
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.60	.60
Other pay patients.....	213	63	75	1	1	1	65	28	25	78.23	32.77	37.03	148.03
Charity patients.....	19	4	40	.....	.....	.....	1	6	2	8.07	1.13	36.63	45.83
Total.....	321	103	368	1	2	3	101	44	283	120.63	49.96	278.67	449.26
Insane department.													
Panama Canal employ- ees.....	.....	.....	.....	.....	.....	.....	.....	6	10	.....	5.97	10.00	15.97
Panama Railroad em- ployees.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2.00	2.00
Panama pay patients.....	.....	1	.....	.....	.....	2	.....	13	162	.....	14.00	163.30	177.30
Other pay patients.....	2	1	1	.....	.....	.....	2	1	2	3.27	1.23	2.57	7.07
Charity patients.....	.....	.....	1	.....	.....	2	4	3	50	4.00	3.00	51.27	58.27
Total.....	2	2	2	.....	.....	4	6	23	226	7.27	24.20	229.14	260.60
Grand total.....	323	105	370	1	2	7	107	67	509	127.90	74.16	507.81	709.87
Corozal farm.													
Panama Canal employ- ees.....	.....	.....	.....	.....	.....	.....	.....	9	41	.....	9.00	40.40	49.40
Chronic ward.													
Charity patients.....	.....	.....	2	.....	.....	.....	.....	.....	28	.....	.....	27.43	27.43
COLON HOSPITAL.													
Panama Canal employ- ees.....	6	1	25	3	1	2	4	3	11	1.73	2.20	13.16	17.10
Panama Railroad em- ployees.....	5	.....	16	1	.....	2	1	1	4	1.36	1.00	5.13	7.50
Panama pay patients.....	.....	2	.....	3	5	.....	3	8	.....	.....	.80	1.03	1.83
Other pay patients.....	15	14	8	1	1	2	6	4	3	2.93	3.50	2.43	8.86
Charity patients.....	.....	.....	4	.....	.....	1	1	.....	3	.20	.....	.50	.70
Total.....	26	17	53	5	5	12	12	11	29	6.22	7.50	22.25	35.99
PALO SECO LEPER ASYLUM.													
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	3	30	.....	3.00	29.35	32.35
Charity patients.....	.....	.....	.....	.....	.....	.....	.....	2	16	.....	2.00	18.00	20.00
Total.....	.....	.....	.....	.....	.....	.....	.....	5	46	.....	5.00	47.35	52.35
GRAND TOTAL.													
Panama Canal employ- ees.....	86	29	234	3	2	3	31	3	235	32.03	29.03	230.63	291.70
Panama Railroad em- ployees.....	14	8	60	1	.....	2	4	2	66	5.39	5.20	44.47	55.07
Panama pay patients.....	.....	3	.....	3	7	.....	19	201	.....	17.80	194.28	.....	212.08
Other pay patients.....	230	78	84	2	2	3	73	33	30	84.43	37.50	42.03	163.96
Charity patients.....	19	4	45	.....	.....	4	11	7	121	12.27	6.13	133.83	152.23
Total.....	349	122	423	6	7	19	119	92	653	134.12	95.66	645.24	875.04

Number of employees remaining in hospitals: White, 68; colored, 301.

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.  
EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT EXCUSED.

	Employees treated in quarters.												
	Remain- ing Apr. 1.		Ad- mitted.		Dis- charged.		Trans- ferred.		Remain- ing Apr. 30.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Naos Island.....				2				2				1	1
Ancon.....	6		76		74				8		228		228
Balboa.....	3	1	57	34	42	16	12	18	6	1	136	45	181
Corozal.....	1		32	5	27	4	2	1	4		88	7	95
Pedro Miguel.....	1		11		11				1		49		49
Paraíso.....			22	4	20	4	1		1		30	15	45
Gamboa.....				2		2						3	3
Gatun.....			14	5	12	4			2	1	31	26	57
Colon.....	4	12	66	62	66	61			4	13	120	386	506
Total.....	15	13	278	114	252	91	15	21	26	15	682	483	1,165

	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island...	129	1,208	1,337				129	1,208	1,337
Ancon.....	2,037	3,763	5,800	1,492	1,780	3,272	3,529	5,543	9,072
Balboa.....	3,255	3,562	6,817	455	340	795	3,710	3,902	7,612
Corozal.....	980	1,425	2,405	834	139	973	1,814	1,564	3,378
Pedro Miguel.....	591	983	1,574	641	124	765	1,232	1,107	2,339
Paraíso.....	794	1,953	2,747	433	471	904	1,227	2,424	3,651
Gamboa.....	51	171	222	48	480	528	99	651	750
Gatun.....	552	923	1,475	809	581	1,390	1,361	1,504	2,865
Colon.....	565	1,496	2,061	546	551	1,097	1,111	2,047	3,158
Total...	8,954	15,484	24,438	5,258	4,466	9,724	14,212	19,950	34,162

## CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward.....	423	461	884
Total admissions of employees to quarters.....	278	114	392
Total.....	701	575	1,276
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	28	40	68
Net admissions to hospitals and quarters....	673	535	1,208
Net admissions of employees to hospitals and quarters.....	385	417	802
Annual average per thousand of admissions of employees to hospitals and quarters.....	946.14	171.12	282.02

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.  
CONTAGIOUS AND INFECTIOUS DISEASES REPORTED DURING THE MONTH OF  
APRIL, 1915.

Diseases.	Panama.	Colon.	Canal Zone.	Total.
Measles.....	49	1	21	71
Typhoid fever.....	1		1	2
Annual average per 1,000.....	.20		.41	
Mumps.....	3	13	27	43
Cerebrospinal fever.....			1	1
Diphtheria (croup).....	1	3		4
Leprosy.....	1			1
Malarial fever.....		1	120	121
Tuberculosis (any organ).....	7	2	2	11
Infectious diseases of the eyes.....		1	1	2
Whooping cough.....		1	6	7
Dysentery.....			2	2
Trachoma.....		2		2

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	56.36	216.41	272.77
Colon Hospital.....	6.29	18.29	24.58
Total.....	62.65	234.70	297.35
Quarters:			
Naos Island.....		.03	.03
Ancon.....	7.60		7.60
Balboa.....	4.53	1.50	6.03
Corozal.....	2.93	.23	3.16
Pedro Miguel.....	1.63		1.63
Paraiso.....	1.00	.48	1.48
Gamboa.....		.10	.10
Gatun.....	1.03	.87	1.90
Colon.....	4.00	12.86	16.86
Total.....	22.72	16.07	38.79
	Hospitals.	Quarters.	Totals.
Average number of employees constantly sick:			
White.....	62.65	22.72	85.37
Colored.....	234.70	16.07	250.77
Total.....	297.35	38.79	336.14
Average number of employees constantly sick per 1,000:			
White.....	12.84	4.65	17.49
Colored.....	8.02	.55	8.57
Total.....	8.71	1.14	9.85



TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	13.52	21.67	18.95
Colon Hospital.....	8.28	10.15	9.62
Quarters:			
Naos Island.....		.05	.05
Ancon.....	4.05		4.05
Balboa.....	3.18	1.35	2.43
Corozal.....	3.07	1.40	2.08
Pedro Miguel.....	4.45		4.45
Paraiso.....	1.41	3.62	1.75
Gamboa.....		1.50	1.50
Gatun.....	2.58	6.50	3.56
Colon.....	1.87	7.78	4.72

TABLE XII.—FINANCIAL STATEMENT—DEPARTMENT OF HEALTH.

	March, 1915.	February, 1915.	March, 1914.
Administration:			
Chief health office.....	\$484.01	\$479.44	\$3,903.38
Hospital division:			
Ancon Hospital.....	29,055.31	32,145.64	43,909.64
Corozal farm.....	3,022.10	1,022.42	1,036.49
Chronic ward.....	237.57	214.07	225.54
Colon Hospital.....	3,539.03	2,920.18	2,650.77
Palo Seco Leper Asylum.....	2,044.54	1,906.95	1,180.59
Santo Tomas Hospital.....	629.49	857.37	915.00
Medical storehouse.....	795.22	912.02	767.89
Total.....	39,323.26	39,978.65	50,685.92
District dentists.....	15.88	15.72	
Dispensaries:			
Naos Island.....	94.39	63.87	257.64
Balboa.....	1,076.85	1,099.83	998.06
Tivoli.....			756.58
Corozal.....	825.14	578.51	785.87
Pedro Miguel.....	496.78	475.65	382.81
Paraiso.....	596.18	583.51	550.94
Culebra.....		457.63	776.67
Empire.....			869.99
Gamboa.....	138.78	136.19	126.09
Gatun.....	551.98	523.38	954.83
Cristobal.....			926.26
Porto Bello.....			271.55
Margarita Point.....			113.55
Toro Point.....		13.85	254.70
Total.....	3,795.98	3,948.14	8,025.54



TABLE XII.—FINANCIAL STATEMENT—DEPARTMENT OF HEALTH—  
Continued.

	March, 1915.	February, 1915.	March, 1914.
Sanitary division:			
General inspector.....			
Health office, Panama.....	\$2,908.43	\$2,613.55	\$1,997.92
Street cleaning.....	4,301.94	4,171.71	5,038.98
Health office, Colon.....	1,717.07	1,786.33	1,826.67
Street cleaning.....	2,020.39	1,811.71	1,791.59
Zone sanitation:			
Ancon.....	849.36	1,907.96	1,195.98
Balboa.....	643.81	557.30	1,128.53
Corozal.....	900.66	1,677.09	1,320.11
Pedro Miguel.....	696.32	787.83	2,752.30
Paraiso.....	756.18	1,001.18	1,446.92
Culebra.....	315.45	810.59	955.24
Empire.....			2,019.47
Frijoles.....	111.50	123.01	119.30
Gatun.....	899.31	819.84	2,233.23
Cristobal and Mount Hope.....	1,036.25	886.29	2,156.88
Porto Bello.....			236.33
Total.....	17,156.67	18,954.39	26,219.45
Quarantine division:			
Chief quarantine office.....		117.26	
Balboa-Panama.....	1,729.00	1,498.87	
Colon-Cristobal.....	2,667.68	2,263.61	
Total.....	4,396.68	3,879.74	4,089.22
<i>Recapitulation.</i>			
Chief health office.....	484.01	479.44	3,903.38
Hospital division.....	39,323.26	39,978.65	50,685.92
Dispensaries.....	3,795.98	3,948.14	8,025.54
Sanitary division.....	17,156.67	18,954.39	26,219.45
Quarantine division.....	4,396.68	3,879.74	4,089.22
Grand total.....	65,156.60	67,240.36	92,923.51
Construction and repair to buildings.....	569.69	3,318.63	2,215.41

March, 1915, last available figures.

TABLE XIII.—ANCON HOSPITAL.  
REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Class—					
Panama Canal employees.....	535	108	.....	43	384
Panama R. R. employees.....	125	12	.....	9	104
Panama Government pay cases.....	1	.....	.....	.....	1
Other pay cases.....	483	279	.....	92	112
Charity cases.....	97	25	.....	6	66
Total.....	1,241	424	.....	150	667
Insane asylum:					
Panama Canal employees.....	16	.....	.....	6	10
Panama R. R. employees.....	2	.....	.....	.....	2
Panama Government pay cases.....	180	.....	.....	14	166
Other pay cases.....	9	4	.....	2	3
Charity cases.....	61	4	.....	3	54
Total.....	268	8	.....	25	235
Grand total.....	1,509	432	.....	175	902
Soldiers.....	178	178	.....	.....	.....
Chronics.....	30	.....	.....	.....	30
Corozal farm.....	50	.....	.....	9	41

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Americans.	Other white.	Black.
Hospital:				
Class—				
Panama Canal employees.....	6,277	909	356	5,012
Panama R. R. employees.....	1,367	121	126	1,120
Panama pay cases.....	18	.....	.....	18
Other pay cases.....	4,441	2,347	983	1,111
Charity.....	1,375	242	34	1,099
Total.....	13,478	3,619	1,499	8,360
Inanse asylum:				
Panama Canal employees.....	479	.....	179	300
Panama R. R. employees.....	60	.....	.....	60
Panama Government pay cases.....	5,319	.....	420	4,899
Other pay cases.....	212	98	37	77
Charity cases.....	1,748	120	90	1,538
Total.....	7,818	218	726	6,874
Grand total.....	21,296	3,837	2,225	15,234
Soldiers.....	1,753	1,753	.....	.....
Chronics.....	823	.....	.....	823
Corozal farm.....	1,482	.....	270	1,212

Average cost of subsistence per patient per day, \$0.2471.

TABLE XIII.—ANCON HOSPITAL—Continued.

## WARD LABORATORY REPORT.

Blood examinations (total number).....	628
Estivoautumnal.....	41
Mixed.....	2
Quartan.....	3
Tertian.....	16
Differential counts.....	38
Hemoglobin estimations.....	68
Leucocyte counts.....	76
Red blood counts.....	4
Stool examinations (total number).....	447
Ameba.....	2
Ascaris lumbricoides.....	6
Balantidium coli.....	0
Cercomonas intestinalis.....	5
Ciliated monads.....	8
Gualac tests.....	5
Pus and blood.....	40
Strongloides.....	6
Trichocephalus dispar.....	15
Uncinaria (ova).....	59
Urine examinations (total number).....	1,431
Albumen.....	365
Bile.....	9
Casts.....	216
Epithelia.....	138
Gualac tests.....	5
Indicon.....	36
Pus and blood.....	224
Sugar (positive, 5; negative, 14).....	19
Sputum examinations (total number).....	200
Positive for tubercle bacilli.....	22
Smear examinations (total number).....	32
Urethral.....	15
Vaginal.....	8
Eye.....	2
Spinal fluid.....	3
Pleural.....	2

## REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Digits, multiple.....	1	.....
Operations on bones:		
Ostectomy.....	1	.....
Resection of wrist.....	1	.....
Wiring of fracture—		
Simple.....	1	.....
Compound.....	2	.....
Adenectomy:		
Cervical.....	3	.....
Inguinal—		
Single.....	18	.....
Double.....	4	.....
Femoral.....	1	.....
Herniotomy:		
Inguinal—		
Single.....	7	.....
Double.....	1	.....
Femoral.....	2	.....
Ventral.....	2	.....

TABLE XIII.—ANCON HOSPITAL—Continued.  
REPORT OF SURGICAL OPERATIONS—Continued.

	Number.	Died.
Genito-urinary tract:		
Ureterotomy .....	1	.....
Internal .....	2	.....
External .....	1	.....
Prostatectomy .....	1	1
Varicocele, radical cure .....	1	.....
Hydrocele, single, radical cure .....	2	.....
Epididymotomy .....	5	.....
Amputation of scrotum .....	4	.....
Curretage uteri .....	7	1
Rectum:		
Hemorrhoids, radical cure .....	6	.....
Fistula in ano .....	1	.....
General:		
Varicose veins, excision of .....	2	.....
Tenorrhaphy .....	1	.....
Excision of surface neoplasms .....	10	1
Plastic, for effects of disease .....	3	.....
Skin graft .....	1	.....
Laparotomy:		
For general peritonitis .....	1	.....
Gastro-enterostomy .....	1	.....
Appendectomy .....	16	.....
Appendectomy with local peritonitis .....	3	.....
Cholecystostomy .....	1	.....
Abscess of liver, laparo-hepatotomy for .....	1	.....
Splenectomy .....	1	.....
Supravaginal hysterectomy .....	3	.....
Hysteromyomectomy .....	2	.....
Suspensio uteri .....	1	.....
Plastic for chronic pelvic peritonitis .....	1	.....
Minor operations, various .....	105	.....
Total .....	228	3

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Adenoidectomy .....	2
Fracture of nose, reduction of .....	1
Sinus operations:	
Radical frontal bilateral .....	1
Simple maxillary .....	3
Submucous resection .....	6
Tonsillectomy .....	10
Mastoidectomy, simple, bilateral .....	1
Evisceration of eye .....	2
Plastic on eye .....	1
Minor operations:	
Eye .....	10
Throat .....	7
Total .....	44
Refractions .....	150

TABLE XIII.—ANCON HOSPITAL—Continued.

## OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.	Refractions.
Medical clinic.....	267	174	50	252	.....
Surgical clinic.....	245	198	20	73	.....
Eye and ear clinic.....	610	246	23	289	150
Total.....	1,122	618	93	614	150

## REPORT OF VACCINATIONS.

Adults vaccinated.....	189
Takes.....	75
Total.....	264
There were no school children vaccinated during the month.	

## REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—	
Blood cultures.....	14
Throat cultures.....	14
Eye culture.....	1
Urines.....	40
Stools.....	24
Autopsies.....	1
Pathological fluids, exudates, etc.....	16
Sputum.....	7
Leper suspects.....	3
Yaws suspect.....	1
Wassermann reactions.....	233
Preparation of salvarsanized serum for intraspinal treatment.....	1
Autogenous blood serum preparations.....	2
Autogenous vaccines prepared.....	3
Fresh meat for <i>B. anthracis</i> .....	35
Spleens (bovine) for <i>B. anthracis</i> .....	57
Chemical analysis of—	
Hospital dairy milk.....	1
Milk from private dairies supplying cities of Panama and Colon.....	16
Mother's milk.....	6
Stomach contents.....	2
Gasoline.....	1
Kerosene.....	1
Beer.....	1
Urine.....	4
Surgical tissues and neoplasms reported.....	24
Autopsies performed.....	8
Autopsy (cow).....	1
Animals examined and under observation.....	4
Pathological tissues prepared, paraffin.....	199
Pathological tissues prepared, frozen.....	0
Examination of table knife for police.....	1
Rats examined:	
<i>Mus musculus</i> .....	330
<i>Mus norvegicus</i> .....	332
<i>Mus alexandrinus</i> .....	20
<i>Mus rattus</i> .....	272
	954
Bodies embalmed.....	4
Cremations.....	7
Interments.....	11

TABLE XIII.—ANCON HOSPITAL—Continued.

## OPERATION OF HOSPITAL FARM, COROZAL.

Expenditures:	
Supervision.....	\$200.00
Labor.....	726.33
Subsistence of labor.....	326.04
Transportation.....	174.18
Electric current.....	3.90
Material and supplies.....	92.81
Feed (poultry and cattle).....	489.67
Death debits.....	134.00
Total expenditures.....	\$2,146.93
Receipts:	
Sold Ancon Hospital, produce.....	969.16
Sold Ancon Hospital, guinea pigs.....	15.00
Sold local buyer.....	147.38
Sold private parties.....	118.46
Plant credits.....	364.96
Total receipts.....	1,614.96
Net running expenses.....	531.97
Number of days treatment furnished.....	1,482
Net cost per patient per day.....	\$0.359

## STATEMENT OF DEATHS, DISCHARGES, AND COMMITMENTS COROZAL HOSPITAL FOR THE INSANE.

*Commitments.*

	Male.	Female.
From Canal Zone on first commitment.....	3	1
From Panama Government on first commitment.....	3	1
Total (8).....	6	2

*Discharges.*

	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Barbados.....	1					
Colombia.....					1	
Dominica.....						2
Panama.....					2	
Spain.....						1
St. Lucia.....						2
United States.....					2	2
Total (10).....	1				5	4

<sup>1</sup> Transferred to hospital.<sup>2</sup> Deported.*Deaths.*

One female. Physical diagnosis, softening of the brain; mental diagnosis, psychoses accompanying other brain or nervous diseases (cerebral arterio sclerosis).

One male. Physical diagnosis, syphilis tertiary; mental diagnosis, psychoses accompanying other brain or nervous diseases (cerebral syphilis).

One male. Physical diagnosis, general paralysis of the insane; mental diagnosis, general paresis.

TABLE XIV.—COLON HOSPITAL.

## NATIONALITY OF PATIENTS.

	American, white.	Foreign, white.	Black.	Total.
Panama Canal employees.....	13	6	38	57
Panama Railroad employees.....	7	1	23	31
Panama pay.....		8	15	23
Other pay.....	22	19	15	56
Charity cases.....	1		8	9
Total.....	43	34	99	176

Cost of subsistence per patient per day, \$0.32.

## COLON HOSPITAL, LABORATORY REPORT.

Blood examinations.....	56
Estivo-autumnal.....	6
Tertian.....	2
Quartan.....	1
Leucocyte counts.....	4
Stool examinations.....	2
Negative for ameba.....	2
Urine examinations.....	85
Albumin.....	5
Casts.....	2
Sugar.....	3
Pus and blood.....	6
Bile.....	1
Sputum examinations.....	1
Negative for tubercle bacilli.....	1
Urethral discharge.....	2
Negative for gonococci.....	1
Positive for gonococci.....	1

## COLON HOSPITAL, SURGICAL OPERATIONS.

Amputations:	
Digits, multiple.....	1
Digits, single.....	2
Herniotomy: Inguinal, single.....	3
Genito-urinary tract:	
Epididymotomy.....	1
Curetage uteri.....	1
Obstetrical: Version.....	1
Rectum: Hemorrhoids, radical cure.....	1
General: Plastic operation for severe injuries.....	2
Laparotomy:	
Appendectomy.....	2
Supravaginal hysterectomy.....	1
Suspensio-uteri.....	1
Major operations, various.....	1
Minor operations, various.....	10



TABLE XV.—PALO SECO LEPER ASYLUM.

## NATIONALITY OF PATIENTS IN ASYLUM.

	Number treated.		American.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....	.....	.....	.....	.....	.....	.....
Panama Railroad employees.....	.....	.....	.....	.....	.....	.....
Pay cases.....	3	30	.....	.....	3	30
Charity cases.....	2	16	.....	.....	2	16
	5	46	.....	.....	5	46

Cost of subsistence per patient per day, \$0.33.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Apr. 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing Apr. 30.
Pay cases.....	45	106	115	2	30
Charity cases.....	413	836	758	61	430
Total.....	458	942	873	63	460

Average number of patients constantly sick..... 462  
 Total number of days' treatment..... 13,860  
 Average number of days' treatment per patient..... 9  
 Cost of subsistence, per patient, per day..... \$0.28

## NATIONALITY OF PATIENTS.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	151	5	.....	55	91
Charity cases.....	1,249	6	2	128	1,113
Total.....	1,400	11	2	183	1,204

## DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	42	532	574
Foreigners.....	66	661	727
Americans.....	6	.....	6
Total.....	114	1,193	1,307

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

## DISEASES TREATED.

Malaria.....	72
Measles.....	52
Diphtheria and croup.....	1
Influenza.....	7
Dysentery.....	17
Leprosy.....	1
Erysipelas.....	1
Other epidemic diseases.....	3
Purulent infection and septicemia.....	10
Tetanus.....	2
Pellagra.....	2
Tuberculosis of the lungs.....	28
Pott's disease.....	1
Syphilis, period not stated.....	28
Gonococcus infection.....	48
Soft chancre.....	30
Cancer and other malignant tumors of the skin.....	2
Other tumors (tumors of the female genital organs excepted).....	1
Acute articular rheumatism.....	10
Alcoholism (acute or chronic).....	8
Simple meningitis.....	2
Paralysis without specified cause.....	2
Epilepsy.....	2
Other diseases of the nervous system.....	5
Diseases of the eyes and their annexa.....	4
Acute endocarditis.....	2
Organic diseases of the heart.....	10
Diseases of the arteries, atheroma, aneurysm, etc.....	4
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	12
Disease of the lymphatic system (lymphangitis, etc.).....	19
Hemorrhage; other diseases of the circulatory system.....	7
Diseases of the larynx.....	4
Chronic bronchitis.....	20
Pneumonia (unqualified).....	6
Pleurisy.....	4
Pulmonary congestion, pulmonary apoplexy.....	1
Asthma.....	1
Diseases of the pharynx.....	5
Other diseases of the stomach (cancer excepted).....	2
Diarrhea and enteritis.....	5
Ankylostomiasis.....	14
Intestinal parasites.....	1
Appendicitis and typhlitis.....	6
Hernia, intestinal obstruction.....	12
Other diseases of the intestines.....	48
Cirrhosis of the liver.....	2
Biliary calculi.....	1
Other diseases of the liver.....	5
Simple peritonitis (nonpuerperal).....	2
Acute nephritis.....	17
Diseases of the bladder.....	1
Diseases of the urethra, urinary abscess, etc.....	8
Diseases of the prostate.....	1
Nonvenereal diseases of the male genital organs.....	10
Metritis.....	10
Cysts and tumors of the ovary.....	1
Salpingitis and other diseases of the female genital organs.....	16
Nonpuerperal diseases of the breast (cancer excepted).....	1
Normal labor.....	85
Accidents of pregnancy.....	20
Puerperal septicemia.....	4
Gangrene.....	1
Furuncle.....	2
Acute abscess.....	17
Other diseases of the skin and annexa.....	25
Diseases of the bones (tuberculosis excepted).....	1

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

## DISEASES TREATED—Continued.

Other diseases of the organs of locomotion.....	3
Congenital malformations (stillbirth not included).....	5
Newborn child.....	79
Congenital debility, icterus and sclerema.....	2
Other acute poisonings.....	5
Burns (conflagration excepted).....	3
Traumatism by firearms.....	10
Traumatism by cutting or piercing instruments.....	1
Starvation.....	1
Fractures (cause not specified).....	15
No disease.....	63
Total.....	939

## SURGICAL OPERATIONS.

	Number.	Died.
Amputation:		
Foot.....	1	1
Digits, multiple.....	1	1
Adenectomy:		
Cervical.....	1	
Axillary.....	1	
Inguinal, single.....	6	
Inguinal, double.....	1	
Herniotomy:		
Inguinal—		
Single.....	9	
Double.....	2	
Cystotomy.....	2	
Urethrotomy:		
Internal.....	3	
External.....	4	
Varicocele, radical cure.....	1	
Hydrocele, double, radical cure.....	1	
Epididymotomy.....	1	
Curetage uteri.....	9	
Haemorrhoids, radical cure.....	11	
Fistula in anus, excision of.....	3	
Excision of surface neoplasm.....	4	
Plastic operation for severe injuries.....	1	
Plastic operation for effects of disease.....	17	
Laparotomy, exploratory.....	2	1
Appendectomy.....	7	1
Cholecystotomy.....	1	1
Abscess of liver, laparo-hepatotomy for.....	1	
Abscess of liver, thoracohepatotomy for.....	2	1
Supravaginal hysterectomy.....	1	
Myomectomy.....	1	1
Salpingectomy:		
Single.....	3	1
Double.....	5	
Salpingo-oophorectomy.....	3	
Ovarian cystotomy.....	2	
Suspensio-uteri.....	5	
For eutopic gestation.....	2	
Gunshot wound of abdomen.....	1	1
Major operations, various other.....	8	2
Minor operations, various.....	27	
Tonsillectomy.....	5	
Total.....	155	11

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of April, 1915, in the Canal Zone:

Work requests on supply department:

Grass cutting.....	5
Screening.....	15
Miscellaneous.....	15
Work requests on engineering department.....	16
Work requests on other departments.....	2
Notices served to abate nuisances.....	28
Arrests.....	2
Convictions.....	2
Inspections of—	
Closets.....	1,475
Stores.....	26
Shops.....	110
Restaurants.....	2
Garbage cans emptied.....	105,120
Closets disinfected.....	3,166
Rat traps used daily.....	2,770
Adult anopheles destroyed in houses.....	10,043
Adult culices destroyed in houses.....	6,236
Larvacide used..... gallons.....	335
Crude oil used.....do.....	9,469
Kerosene used.....do.....	131
Rats destroyed.....	460

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA.

Mosquito, rat, and fly work:

Lineal feet of ditches cleaned and maintained.....	31,652
Lineal feet of new ditches dug.....	642
Number of cubic yards earth used in filling.....	0
Gallons larvacide used.....	791
Gallons crude oil used.....	950
Square yards pools oiled.....	120,910
Water containers treated.....	24,185
Mosquito-breeding places found (45 stegomyia).....	267
Fly-breeding places found.....	304
Flies trapped (13,000 per quart)..... quarts.....	6
Number rats caught.....	719
Number room disinfections.....	10
Garbage collections:	
Number loads garbage removed to dump.....	4,396
Number cubic yards garbage removed to dump.....	8,156
Total number of cans garbage emptied.....	107,858
Buildings:	
Number of buildings inspected.....	5,352
Number of plans for new buildings approved.....	18
Number of permits granted for repairs to old buildings.....	44
Total number of permits granted.....	62
Number of buildings condemned.....	1
Number of buildings demolished.....	3
Street cleaning:	
Average number of square yards cleaned daily.....	600,000
Average number of square yards street sprinkled daily.....	90,000
Number of private properties cleaned during month.....	0
Number of notices served and nuisances abated.....	141
Vaccinations:	
Number of vaccinations during month.....	325
Total number of vaccinations since Apr. 1, 1914.....	16,493

TABLE XVII.—SANITATION—Continued.

## WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.

[Health Office, Cristobal.]

Sanitation, general—Colon:	
Square yards street cleaned.....	3, 857, 087
Cubic feet fumigated.....	2, 688
Square yards street sprinkled.....	50, 400
Square yards alleys maintained.....	774, 875
Number of private properties cleaned.....	25
Number of rats killed.....	294
Loads yard garbage handled.....	407
Number of cans, garbage (2,201 cubic yards).....	65, 113
Colon dump maintained.....	
Linear yards ditches maintained.....	3, 230
Parkway and E Street maintained.....	
Number of dogs caught.....	6
Square yards oiled.....	20, 900
Number of buildings inspected.....	2, 860
Number of receptacles treated.....	24, 000
Number mosquito-breeding places destroyed.....	67
Number fly-breeding places destroyed.....	68
Number of nuisances abated.....	187
Gallons larvacide used.....	67
Gallons crude oil used.....	68
Building, Colon:	
Number of plans approved.....	4
Number of permits to occupy issued.....	2
Temporary permits to occupy issued.....	1
Number of permits to repair issued.....	75
Number of bills collected.....	88
Sewers, Colon:	
Number new connections made during month.....	3
Total number connections made to date.....	1, 175
Number of houses in which extensions were made.....	4
Outstanding permits.....	23
Sanitation, Cristobal:	
Number of cans garbage (647 cubic yards).....	12, 514
Loads of yard garbage handled.....	134
Square yards vegetation removed.....	48, 400
Square yards vegetation removed, Washington Hotel.....	7, 200
Square yards oiled.....	2, 425
Number receptacles treated.....	3, 200
Number of mosquito-breeding places destroyed.....	10
Number fly-breeding places destroyed.....	2
Number buildings inspected.....	240
Gallons larvacide used.....	23
Gallons oil used.....	5
Sanitation, Mount Hope:	
Number of cans garbage (58 cubic yards).....	1, 560
Square yards oiled.....	97, 700
Number receptacles treated.....	10, 850
Number mosquito-breeding places destroyed.....	74
Number mosquitoes caught in barracks—	
Anopheles.....	882
Culices.....	514
Gallons larvacide used.....	97
Gallons crude oil used.....	2, 300
Mount Hope Cemetery maintained.....	
Linear yards ditches constructed (650 cubic yards).....	6, 985
Linear yards ditches maintained.....	6, 936
Square yards vegetation removed.....	40, 310
Number of burials during the month.....	51

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Vessels inspected and passed.....	172	
Vessels held in quarantine.....	13	
Total vessels entered.....		185
Vessels fumigated on arrival.....	9	
Vessels fumigated on departure.....	2	
Total vessels fumigated.....		11
Crew examined.....	11,032	
Passengers examined (including 133 United States troops).....	3,605	
Total persons examined.....		14,637
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	481	
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	657	
Total persons vaccinated.....		1,138
Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	360	
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	1,448	
Total persons held under observation.....		1,808
Total persons landed from foreign ports:		
Cabin.....	1,575	
Steerage.....	981	
		2,556
Total persons embarked for foreign ports:		
Cabin.....	2,886	
Steerage.....	1,440	
		4,326
Total persons arriving from coast towns on small launches and sailing craft.....		2,799
Total persons sailing for coast towns on small launches and sailing craft.....		1,726
Apparent increase for month from coast towns.....		1,073
Apparent decrease for month from foreign ports:		
Cabin (decrease).....	1,311	
Steerage (decrease).....	459	
		1,770
Immigrants recommended for deportation.....	11	
Bills of health issued or viséed.....	193	
Total number of persons landed.....	5,355	
Less number for Pacific ports.....	214	
		5,141
Total number of persons sailing.....		6,052
Total apparent decrease for month.....		911

## IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steerage.
Europe.....	48	18
United States.....	579	22
Jamaica and West Indies.....	122	477
Venezuela.....	10	14
Colombia.....	70	97
Cuba.....	19	37
Guatemala.....		9
Costa Rica.....	135	62
Bocas del Toro.....	100	291
Coast towns.....		172
Total.....	1,083	1,199
Men.....		1,310
Women.....		559
Children.....		241
Unclassified.....		172
Total.....		2,282



TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL—Continued.

## QUARANTINE—BOCAS DEL TORO.

Vessels inspected and passed.....	16
Crew inspected and passed.....	1,281
Passengers inspected and passed.....	237
Passengers, in transit, inspected and passed.....	405
Persons held to complete period of incubation of plague.....	2
Persons held to complete period of incubation of yellow fever.....	2

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

Quinine sulphate.....	Kilos. 18.00
Quinine sulphate tablets.....	9.50
Total.....	27.50

Pounds avoirdupois, 60.50.

TABLE XX.—PERSONNEL REPORT.

	April, 1915.		Total.	March, 1915.	April, 1914.
	Officers and employees.	Skilled and unskilled labor.			
Chief health office.....	3	.....	3	2	16
Medical storehouse.....	4	4	8	5	8
Quarantine division.....	22	17	39	44	37
Health office, Panama.....	20	136	156	136	147
Health office, Colon.....	16	124	140	111	116
Ancon Hospital.....	210	105	315	318	497
Colon Hospital.....	24	11	35	36	32
Santo Tomas Hospital.....	5	.....	5	5	6
Palo Seco Leper Asylum.....	10	14	24	23	16
Zone sanitation.....	20	79	99	93	130
Hospital farm.....	2	47	49	54	47
Dispensaries:					
Ancon.....	.....	.....	.....	.....	4
Balboa.....	6	.....	6	6	6
Corozal.....	4	.....	4	4	5
Cristobal.....	.....	.....	.....	.....	6
Culebra.....	.....	.....	.....	.....	5
Empire.....	.....	.....	.....	.....	6
Gamboa.....	2	.....	2	1	.....
Gatun.....	4	2	6	4	5
Margarita Point.....	.....	.....	.....	.....	1
Naos Island.....	2	.....	2	1	2
Paraiso.....	4	.....	4	4	4
Pedro Miguel.....	3	.....	3	3	3
Porto Bello.....	.....	.....	.....	.....	3
Toro Point.....	.....	.....	.....	.....	2
Total.....	361	539	900	850	1,104





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